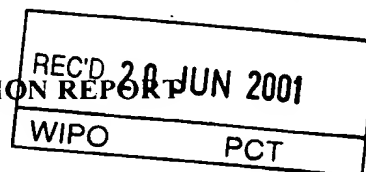


PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)



Applicant's or agent's file reference	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/FI00/00205	International filing date (day/month/year) 15.03.2000	Priority date (day/month/year) 15.03.1999
International Patent Classification (IPC) or national classification and IPC7 B31F		
Applicant MAPING KY, L Huotari, et al		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 4 sheets, including this cover sheet.
- ☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of _____ sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 12.10.2000	Date of completion of this report 12.06.2001
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. 08-667 72 88	Authorized officer Anette Hall/BS Telephone No. 08-782 25 00

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/FI00/00205

I. Basis of the report

1. With regard to the **elements** of the international application:*

- ☒ the international application as originally filed

☐ the description:

pages _____, as originally filed

pages _____, filed with the demand

pages _____, filed with the letter of _____

☐ the claims:

pages _____, as originally filed

pages _____, as amended (together with any statement) under article 19

pages _____, filed with the demand

pages _____, filed with the letter of _____

☐ the drawings:

pages _____, as originally filed

pages _____, filed with the demand

pages _____, filed with the letter of _____

☐ the sequence listing part of the description:

pages _____, as originally filed

pages _____, filed with the demand

pages _____, filed with the letter of _____

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language English which is:

☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).

☒ the language of publication of the international application (under Rule 48.3(b)).

☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

☐ the description, pages _____

☐ the claims, Nos. _____

☐ the drawings, sheet/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2 (c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

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V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims	<u>1-11</u>	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	<u>1-11</u>	NO
Industrial applicability (IA)	Claims	<u>1-11</u>	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

The claimed invention relates to a method and a device for working paper, board or similar. The method may include scoring, perforating, punching or trimming. One object of the invention is to provide a device that can work more rapidly. The method comprises that rapid backs and forwards movements of the tool and/or the counterpiece carry out the operation. The device comprises a component operating on an electro-magnetic principle, means to carry out the desired operation, a counter-piece and a device for conducting electricity to the component.

Document EP, 0890429, A discloses a corrugator unit, particularly for sheets or webs of paper. The corrugator unit comprises at least two rolls, having a toothed or corrugated surface, and being mutually engaged and pushed against each other by a predetermined pressure or force. The invention provides that the mutual compression between rolls is exerted over the whole axial length of the rolls. This may be obtained through electromagnetic means.

The claimed invention differs from the known method and device in that scoring, perforating, punching or trimming is carried out instead of corrugating and also in that the rolls are kept in contact with each other for some time. However, it appears obvious to one skilled in art to apply electromagnetic means and to arrive at a device according to claim 1, since the design includes features already known to a person skilled in the art.

.../...

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Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Box V

Dependent claims 2-6 and 8-11 contain only such features, as the skilled person would regard as a normal design possibility to obtain a device with good controlling performance.

Consequently, the subject matter of claims 1-11 lacks inventive step.

The subject matter of claims 1-11 fulfils the requirement of industrial applicability.

Document US, 5617785, A discloses an embossing machine including a frame, a top magnet, die disk, and a bottom magnet. The top magnet has a top die cavity, a fixed hook, a handle and a bracket on the upper portion, and a bottom die cavity in the lower portion, wherein the top die cavity has a step circular surface which has a plurality of sliced screw holes formed in the top circumference and has a first elastic element disposed therein. The top magnet attracts a top die engaged with the top die cavity through a key and a key way formed thereof, wherein the top magnet has a bolt fixed therein and a second elastic element disposed inside.

This device is not considered to be of particular relevance to the present claimed invention.